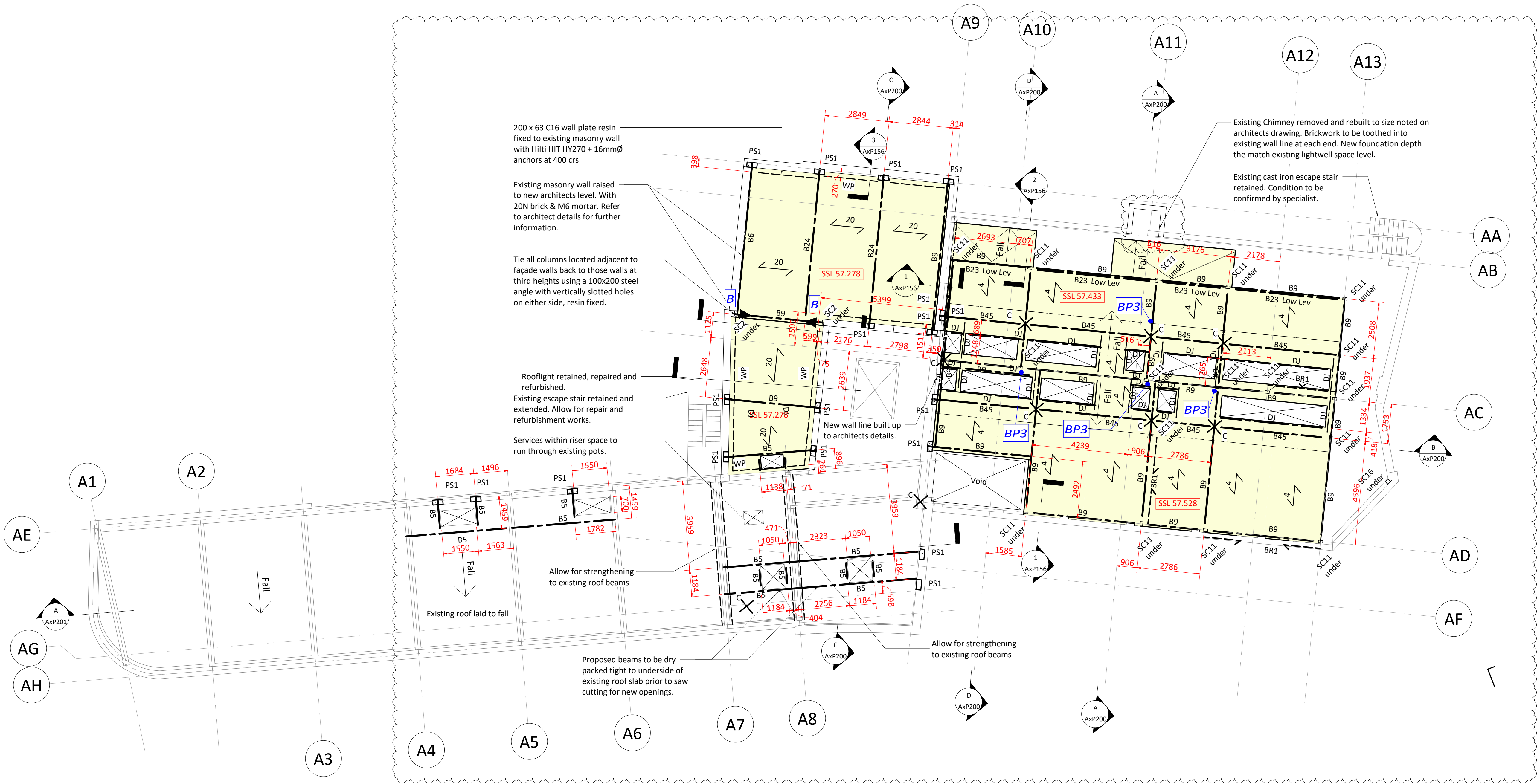
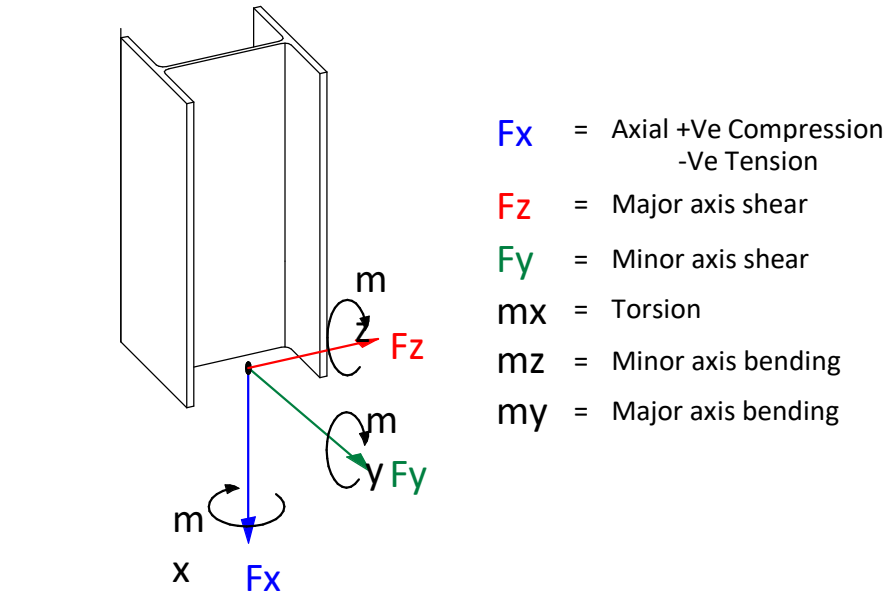
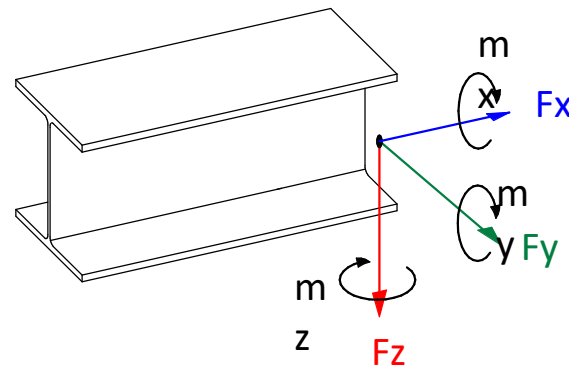




Steel Connection Load Diagram



New or Existing Steel Column



New Or Existing Steel Beam

Connection load table

Ref	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
All connections to be Ref A unless noted otherwise. BR1 connections to be Ref F U.N.O.						
A	75	25	75	-	-	-
B	75	25	75	-	75	-
C	75	25	75	-	15	-
D	75	25	125	-	-	-
E	75	25	150	-	-	-
F	+/- 150	25	75	-	-	-

Baseplate load table

Ref	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
All column connections to be Ref BP1 U.N.O.						
A	150	75	75	-	-	-
B	250	75	75	-	-	-
C	+/- 100	75	75	-	-	-

100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- All proposed details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. All proposed details are preliminary only and final detailing will be required following completion of further opening up works.

Column Schedule

SC1	203x133x30 UB
SC2	203x203x46 UC
SC4	152x152x23 UC
SC10	90x90x10 SHS
SC11	200x120x6.3 RHS
SC16	180x180x10 SHS
STR1	2No 10mm plates welded to existing columns

Beam Schedule

B1	152x152x30 UC
B4	254x254x73 UC
B5	203x133x30 UB
B6	200x90x30 PFC
B9	203x203x46 UC
B11	UC152x152x30 w/ bottom plate
B13	203x203x71 UC
B16	203x203x86 UC
B18	254x102x22 UB
B22	203x203x52 UC
B23	203x102x23 UB
B24	203x203x60 UB
B28	254x254x132 UC
B30	152x152x23 UC
B42	150x100x8 RHS
B43	254x254x89 UC
B44	200x150x10 RHS
B45	UB356x171x57
BR1	100x10 MS Flat Bracing

Floor Schedule

1	200 thk RC slab
4	200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists
9	150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists
20	200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists

Legend

	Proposed RC structure
	Proposed WRC structure
	Proposed Steel Framing
	200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs
	440 x 100wd x 215dp MC padstone
	600 x 200wd x 215dp MC padstone
	Connection Strengthening
	Crank
	Splice
	Moment connection
	Thermal Break
	Break in beam
	Pre-camber

C4	25.03.22	IRS	MS	Revised as clouded
C3	11.02.22	IRS	BW	Revised as clouded
C2	12.05.21	IRS	BW	Issued for Construction
C1	18.01.21	IRS	BW	Issued for Construction
Rev	Date	By	Eng	Amendments

HEYNE
TILLET
STEEL

STRUCTURAL
ENGINEERS

hts.uk.com

Job Name
Hornsey Town Hall
N8 9JJ

Block: Annex
Drawing Title
Proposed Annex
Roof

Purpose of Issue **Contruction** Scale at A1 **As indicated**

Drg No **1862 / AXP130**

Rev **C4**